

GANP Polyclonal Antibody

Catalog number: 11054-1-AP

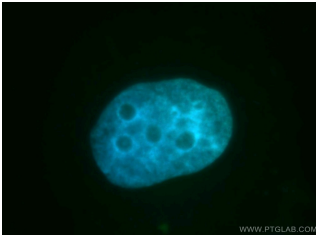
Size: 51 µg/150 µl

Source: Rabbit

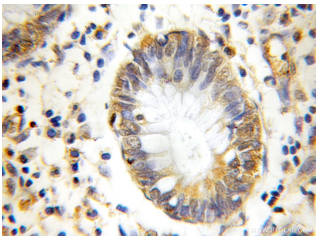
Isotype: IgG

Synonyms:

MCM3AP; 80 kDa MCM3 associated protein, FLJ44336, FLJ45306, GANP, KIAA0572, MAP80, MCM3AP, Protein GANP



Immunofluorescent analysis of HepG2 cells, using MCM3AP antibody 11054-1-AP at 1:100 dilution and FITC-labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human colon cancer using 11054-1-AP (GANP antibody) at dilution of 1:10 (under 10x lens)



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11054-1-AP (GANP antibody) at dilution of 1:300

Background

The minichromosome maintenance protein 3 (MCM3) is one of the MCM proteins essential for the initiation of DNA replication. MCM3AP is MCM3 associated protein, and it has phosphorylation-dependent DNA-primase activity, which was up-regulated in antigen immunization induced germinal center. The mutagenesis of a nuclear localization signal of MCM3 affects the binding of this protein with MCM3, suggesting that MCM3AP may also facilitate MCM3 nuclear localization. Besides, MCM3AP is an acetyltransferase containing putative acetyl CoA binding motifs conserved within the GCN5-related N-acetyltransferase superfamily.

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	IF, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, monkey
Calculated GANP MW:	218 kDa
Observed GANP MW:	75-80 kDa
Positive WB detected in	Mouse brain tissue, NIH/3T3 cells
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human colon cancer tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:1000 IP: 1:200-1:2000 IHC: 1:10-1:100 IF: 1:20-1:200

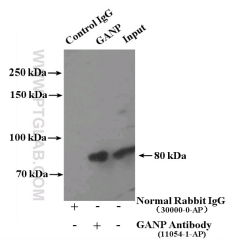
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1486
GenBank accession number:	BC013285
Gene ID (NCBI):	8888
Full name:	Minichromosome maintenance complex component 3 associated protein

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



IP Result of anti-GANP
(IP:11054-1-AP, 4ug;
Detection:11054-1-AP 1:500)
with mouse brain tissue lysate
4000ug.